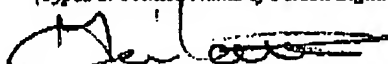


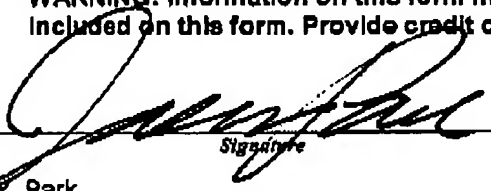
APR 21 2006

CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8) Applicant(s): Yong-Kuk YUN, et al.			Docket No. YOM-0221
Application No. 10/522,683	Filing Date 1-31-2005	Examiner NYA	Group Art Unit NYA
Invention: HIGH-SPEED HIGH-TEMPERATURE NEMATIC LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY COMPRISING THE SAME			
<div style="text-align: right; margin-bottom: 10px;"> Transmittal Letter (1 page), Statement Under 37 C.F.R. §3.73(b) and Power of Attorney (3 pages) and Copy of Assignment (2 pages) </div> <p>I hereby certify that this _____ <small>(Identify type of correspondence)</small></p> <p>is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>571-273-8300</u>)</p> <p>on <u>April 21, 2006</u> <small>(Date)</small></p> <div style="text-align: right; margin-top: 40px;"> <u>Tammie Lanthier</u> <small>(Typed or Printed Name of Person Signing Certificate)</small>  <small>(Signature)</small> </div> <p style="text-align: center; margin-top: 100px;"> Note: Each paper must have its own certificate of mailing. </p>			

P18/REV02

Apr 21 2006 3:47PM CANTOR COLBURN LLP

8602860115

TRANSMITTAL LETTER (General - Patent Pending)				Docket No. YOM-0221	
In Re Application Of: Yong-Kuk YUN, et al.					
Application No. 10/522,683	Filing Date 1-31-2005	Examiner NYA	Customer No. 23413	Group Art Unit NYA	Confirmation No. 1779
Title: HIGH-SPEED HIGH-TEMPERATURE NEMATIC LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY COMPRISING THE SAME					
COMMISSIONER FOR PATENTS:					
<p>Transmitted herewith is:</p> <p>Statement Under 37 C.F.R. Section 3.73(b) and Power of Attorney by Assignee (3 pages)</p> <p>Copy of Assignment (2 pages)</p> <p>In the above identified application.</p> <p><input checked="" type="checkbox"/> No additional fee is required.</p> <p><input type="checkbox"/> A check in the amount of _____ is attached.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. 06-1130 as described below.</p> <p style="margin-left: 40px;"><input type="checkbox"/> Charge the amount of _____</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Credit any overpayment.</p> <p style="margin-left: 40px;"><input checked="" type="checkbox"/> Charge any additional fee required.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="width: 45%;">  <p>Jaey Y. Park Limited Recognition No. L0077 Cantor Colburn LLP 55 Griffin Road South Bloomfield, CT 06002 Telephone: (860) 286-2929 Fax: (860) 286-0115</p> </div> <div style="width: 45%; text-align: right;"> <p>Dated: April 21, 2006</p> </div> </div>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>cc:</p> </div> <div style="width: 45%; border: 1px solid black; padding: 5px;"> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____</p> <p style="text-align: center;">(Date)</p> <p style="text-align: center;">Signature of Person Mailing Correspondence</p> <p style="text-align: center;">Typed or Printed Name of Person Mailing Correspondence</p> </div> </div>					

P16A/REV03

STATEMENT UNDER 37 C.F.R. §3.73(b) and POWER OF ATTORNEY BY ASSIGNEE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Samsung Electronics Co., Ltd., a Korean corporation, states that it is the assignee of the entire right, title, and interest in the below-identified patent applications by virtue of assignments from their respective inventor(s).

The assignee of the below-identified patent applications hereby appoints the registered practitioners of Cantor Colburn LLP associated with PTO Customer No. 23413 with full power to prosecute the these applications, including all revivals, re-filings, continuations, continuations-in-part, divisional and reissues thereof, to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith, and directs that all correspondence be addressed to that Customer Number:

CUSTOMER NUMBER 23413

Address Correspondence: Cantor Colburn LLP
55 Griffin Road South
Bloomfield, CT 06002
Phone: (860) 286-2929
FAX: (860) 286-0115

The assignments have been recorded in the United States Patent and Trademark Office at the Reel and Frame numbers indicated below or for which a copy thereof is attached.

Docket No.	Serial No.	Filing Date	Title	Reel/Frame No.
YOM-0221	10/522,683	1-31-2005	High-Speed High-Temperature Nematic Liquid Crystal Composition and Liquid Crystal Display Comprising the Same	
YOM-0209	11/362,403	2-24-2006	Method of Manufacturing a Flexible Display Device	

YOM-0217	10/538,779	6-10-2005	Thin Film Transistor Array Panel for X-Ray Detector	
YOM-0261	10/515,491	11-24-2004	Liquid Crystal Display for Performing Time Divisional Color Display, Method of Driving the Same Backlight Unit for Liquid Crystal Display	
21C-0293	10/535,237	5-17-2005	Optical Sheet for Display Apparatus, Method of Manufacturing the Same and Display Apparatus Having the Same	
21C-0296	10/535,304	5-18-2005	TFT Substrate for Liquid Crystal Display Apparatus and Method of Manufacturing the Same	
21C-0319	11/195,672	8-3-2005	Display Device and Method and Apparatus for Manufacturing the Same	

The undersigned hereby grants said attorneys and agents the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

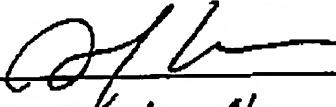
The undersigned is authorized to act on behalf of the assignee, Samsung Electronics Co., Ltd..

SIGNATURE:

NAME / BY:

TITLE:

DATE:


Seung-Ha Ahn
Vice President
April 14, 2006

COPY

Docket No.: 6192.0533.US

ASSIGNMENT

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

☒ an application for United States Letters Patent entitled:

**HIGH SPEED HIGH-TEMPERATURE NEMATIC LIQUID CRYSTAL COMPOSITION
AND LIQUID CRYSTAL DISPLAY COMPRISING THE SAME**

("Application");

☐ upon which United States Letters Patent, Patent Number
("Patent");

has issued

Whereas, Assignor desires to convey all rights, title and interests in and to the same to Samsung Electronics Co., Ltd. ("Assignee"), with offices located at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States, any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all renewals, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the U.S. or any and all foreign countries and any patents granted thereon and/or for obtaining any renewal or renewals of any patent which may be granted for the Invention and perform such further acts which may be necessary or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

Assignor:

Signature: 

Print

Name: YUN, Yong-KukAddress: Hwanggol-maeul Jookong Apt. 152-1001, Yeongtong-dong 655-1, Paldal-Ku, Suwon-city
Kyungki-do, KoreaDate: 2005. 10. 8

Docket No.: 6192,0533.US

Assignor:

Signature: 

Print

Name: KIM, Bong-HaeAddress: Dalbit maeul 308-1703, Hwaieong-dong 885, Deokyang-ku, Goyang-city, Kyungki-do, KoreaDate: 2005. 10. 06.

Assignor:

Signature: 

Print

Name: SEO, Bong-SungAddress: Mulkae-maeul Jookong 4-danll Apt. 405-220, Gum-dong, Bundang-ku, Seongnam-city, Kyungki-do, KoreaDate: 2005. 10. 07

Assignor:

Signature: 

Print

Name: BAN, Byeong-SeobAddress: Gaehyun maeul Hyundai Home Town 502-504, Shinsil-rd 169, Gilheung-eup, Yongin-city, Kyungki-do, KoreaDate: 2005. 10. 12